



```
foo_1(K)
      Line 1
           2
           3
                         Y=2;
                         for (J=0;J<10000;J++)
           4
           5
                                 A[J]=K+J;
           7
                          return(K+Y);
           8
           9
                  }
20~
                               =BREAK 6 WHEN J<500
      ─ IV-Breakpoint
     ─ Induction Variable
                                =J
                                =J=J+1;

    Induction Rate

                                =499
       -Final Value
                                =BREAK 8 RESET
       -Reset Breakpoint
```

## FIG. 3

```
foo_1(FLAG, K)
      Line 1
           2
                          J=0;
           3
                          while (J<10000)
           4
           5
                                 A[J]=K+J;
           6
                                 if(FLAG = = TRUE)
            7
                                        J++;
            8
                                  else
            9
                                        J+=2;
           10
                                  if(checkforERROR()==TRUE)
           11
                                        return (K);
           12
           13
                          return(K);
           14
           15
                   }
20 ~
                                =BREAK 6 WHEN J<500 OR J==600
       − IV-Breakpoint
22 -
                                 =J
       - Induction Variable
                                 =J=J+1, J=J+2
        -Induction Rate
26-
                                 =600
        – Final Value
 28
                                 =BREAK 12 RESET
        -Reset Breakpoint
                                 =BREAK 14 RESET
         Reset Breakpoint
```

FIG. 4